

**MeSH**A service of the National Library of Medicine  
and the National Institutes of Health**My NCBI**  
[Sign In] [Regi  
Entrez 2.0[All Databases](#)[PubMed](#)[Nucleotide](#)[Protein](#)[Genome](#)[Structure](#)[OMIM](#)[PMC](#)[Journals](#)[Box](#)Search **MeSH**☐ for **pfsyn**Suggestions: [Pfosa](#), [Pfetm](#), [Pfme](#), [Pfbha](#), [Pfbab](#), [Pfrck](#), [Pfpdo](#), [Pfbsc](#), [Pfboa](#), [Pfpah](#), [More...](#)[About Entrez](#)Display **Full** **20**[Text Version](#)**All: 1** [Entrez PubMed](#)[Overview](#)[Help | FAQ](#)[Tutorials](#)[New/Noteworthy](#) [E-Utilities](#)

- If making selections (e.g., Subheadings, etc.), use the [Send to Search Box](#) feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select [NLM MeSH Browser](#) under the Links menu for additional information

[PubMed Services](#)[Journals Database](#)[MeSH Database](#)[Single Citation](#)[Matcher](#)[Batch Citation](#)[Matcher](#)[Clinical Queries](#)[Special Queries](#)[LinkOut](#)[My NCBI](#)☐ **1: PFSYN depsipeptide synthetase [Substance Name]** Lin

involved in biosynthesis of PF1022A; isolated from Mycelia sterilia

Date introduced: July 17, 2000

Registry Number: EC 6.3.2.-

Heading Mapped to:

- [Peptide Synthases](#)

Display **Full** **20**[Related Resources](#)[Order Documents](#)[NLM Mobile](#)[NLM Catalog](#)[NLM Gateway](#)[TOXNET](#)[Consumer Health](#)[Clinical Alerts](#)[ClinicalTrials.gov](#)[PubMed Central](#)[Write to the Help Desk](#)[NCBI | NLM | NIH](#)[Department of Health & Human Services](#)[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

## **Steadman, David**

---

**From:** Steadman, David  
**Sent:** Thursday, June 14, 2007 3:12 PM  
**To:** Chan, Christina  
**Subject:** RUSH sequence search request for 10/070,387

Ms. Chan,

This application is a 2-month amended. I would like to request the RUSH sequence search noted below. SEQ ID NO:2 is 3210 amino acids. Thank you very much.

David Steadman

NAME: David Steadman  
AU: 1656  
Date: 6/14/07  
Office: Remsen 2D11  
Mailbox: Remsen 3C70

### **Please search the following sequence in commercial and interference databases:**

- 1) Standard search of amino acids 1-200 of SEQ ID NO:2 against amino acid databases.
- 2) Standard search of amino acids 1-200 of SEQ ID NO:2 against nucleic acid databases.

Thank you very much.

David

David J. Steadman, Ph.D.  
Primary Examiner  
Art Unit 1656  
Protein Crystallography and Recombinant Enzymes  
Office: Remsen 2B05  
Mailbox: Remsen 3C70  
Phone: (571) 272-0942

**Steadman, David**

---

**From:** Steadman, David  
**Sent:** Friday, June 15, 2007 3:22 PM  
**To:** STIC-Biotech/ChemLib  
**Subject:** 10/070,387 - sequence search request

NAME: David Steadman  
AU: 1656  
Date: 6/15/07  
Office: Remsen 2D11  
Mailbox: Remsen 3C70

**Please search the following in interference databases:**

Standard search of SEQ ID NO:1 against nucleic acid databases.

Thank you very much.

David

David J. Steadman, Ph.D.  
Primary Examiner  
Art Unit 1656  
Protein Crystallography and Recombinant Enzymes  
Office: Remsen 2B05  
Mailbox: Remsen 3C70  
Phone: (571) 272-0942

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	(midoh.in. or okakura.in. or miyamoto.in. or watanabe.in. or yanai.in. or yasutake.in. or aihara.in. or futamura.in. or kleinkauf.in. or murakami.in.) and pf1022?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/15 16:39
L2	24	pf1022?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/15 16:39
S1	2	chiaii!	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 09:07
S2	1	chitinase and (nepenthes or drosera or dionea or sarracenia)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/13 10:25
S3	2	"20030008370".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/13 16:41
S4	2	"200042203".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 08:13
S5	3	"2001023542".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 08:14
S6	3	"2001023542"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 08:34
S7	11	"9700944"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 08:37
S8	2	"5763221".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/15 09:26
S9	38	pf1022	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:29

## EAST Search History

S10	13062	Haese.in. or Schubert.in. or herrmann.in. or Zocher.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:30
S11	11	(Haese.in. or Schubert.in. or herrmann.in. or Zocher.in.) and (N-methyldepsipeptide or Fusarium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:33
S12	1	"0578616".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:34
S13	3	"0578616"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:34
S14	3	"0578616"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:34
S15	0	EP0578616	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:34
S16	3925037	EP "0578616"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:35
S17	2	"5827706".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:37
S18	4	leitner.in. and cyclosporin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/14 09:37
S19	1	(midoh.in. or okakura.in. or miyamoto.in. or watanabe.in. or yanai.in. or yasutake.in. or aihara.in. or futamura.in. or kleinkauf.in. or murakami.in.) and pf1022?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/01/15 09:28
S20	0	(depsipeptide adj (synthase or synthetase)) near5 (mutation or mutagenesis)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 12:34
S21	0	(depsipeptide adj (synthase or synthetase)) near10 (mutation or mutagenesis)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 12:34

## EAST Search History

S22	2	(depsipeptide adj (synthase or synthetase))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 12:39
S23	13	cyclosporin adj synthetase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 12:39
S24	9	S23 and (mutation or mutagenesis)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 12:40
S25	21388	FERM BP-2671	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/28 07:00
S26	20	FERM adj BP-2671	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/28 07:03
S27	32	pf adj "1022"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/28 07:03
S28	9	S27 and extract	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/11/28 07:03
S29	3	"6916641".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 09:08
S30	3	"7109018".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 09:14
S31	2	"5116815".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 09:29
S33	3	"2002077244".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 09:33
S34	2	"20020077244".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 09:33

## EAST Search History

S35	1	"200277244".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 09:37
S36	2	"5763221".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 09:49
S37	2	"6146853".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 10:00
S38	57	pf1022\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 10:00
S39	3	(midoh.in. or okakura.in. or miyamoto. in. or watanabe.in. or yanai.in. or yasutake.in. or aihara.in. or futamura. in. or kleinkauf.in. or murakami.in.) and pf1022?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/14 10:03